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**DATA DRIVE TYPE COMPUTER**

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**ABSTRACT**

**PURPOSE:** To perform a computing process with a cyclic pipeline process mechanism without inhibiting and limiting the input data by using an overflow detection means, a 1st branch means, an external saving memory, and a 2nd branch means.

**CONSTITUTION:** A cyclic pipeline mechanism 309 contains an overflow detector 10 which detects the data stored in a buffer memory part 305 when it exceeds a certain level, a 1st branch device 102 which receives the detection signal from the detector 10 and outputs the data to an external saving memory 103 of the mechanism 309, and a 2nd branch device 104 which returns the output data given from the memory 103 to the mechanism 309. In such a constitution, the number of buffer stages is effectively increased for the mechanism 309. Thus process is never discontinued even if the data quantity has an overflow in the mechanism 309.

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